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10-20

	SECTION	1		
DATE OF PREPARA	TION FEB	HD 5700 EVERMORE INT ALK FLAT WH RUARY 4, 2004 TECTIVE COATING		
MANUFACTURED BY	CLE ICI PAI	INTS NORTH AMERICA, 925 EUCLID AVENUE, IVELAND, OHIO 44115, U.S.A. INTS (CANADA), 8200 KEELE STREET, ICORD, ONTARIO L4K 2A5, CANADA.		
EMERGENCY AND 1		ONE NUMBER: 45-2643		
MSDS PREPARED I		SAFETY AND TOXICOLOGY DEPARTMENT ONTS NORTH AMERICA		
SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS				
	INGREDIENT		WT.%:	
CHEMICAL NAME COMMON NAME : CAS NUMBER:	LIMESTONE		40-50	
CHEMICAL NAME COMMON NAME : CAS NUMBER:	TITANIUM DIOXIDE		10-20	
	COBALT ALKANOATE		.1-1.0	
	CALCINED KAOLIN CLAY		10-20	

SOYBEAN OIL, POLYMER WITH ETHYLENE GLYCOL, FUMARIC

PENTAERYTHRITOL AND PHTHALIC ANHYDRIDE

COMMON NAME : ALKYD RESIN, SOYBEAN OIL 68015-15-6

CHEMICAL NAME

CAS NUMBER:



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	SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS			
CHEMICAL NAME	DISTILLATES (PETROLEUM), STEAM-CRACKED, POLYMERS WITH LIGHT STEAM-CRACKED PETROLEUM NAPHTHA	1-5		
COMMON NAME : CAS NUMBER:	AROMATIC HYDROCARBON RESIN			
CHEMICAL NAME COMMON NAME :		5-10		
CAS NUMBER:	7732-18-5			
CHEMICAL NAME COMMON NAME : CAS NUMBER:	SOYA OIL, CRUDE	1-5		
	STODDARD SOLVENT	10-20		
	MINERAL SPIRITS	20 20		
	SECTION 3: HAZARDS IDENTIFICATION			

PRIMARY ROUTE(S) OF EXPOSURE

INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.

EFFECTS OF OVEREXPOSURE

INHALATION PROLONGED INHALATION MAY LEAD TO DIZZINESS AND/OR

LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, CHEST PAIN, COUGHING, CENTRAL NERVOUS SYSTEM DEPRESSION, DIFFICULTY OF BREATHING, ALLERGIC RESPONSE, ASTHMATIC

REACTION, LIVER DAMAGE, KIDNEY DAMAGE, PNEUMOCONIOSIS, LOSS OF CONSCIOUSNESS. POSSIBLE SENSITIZATION TO RESPIRATORY

TRACT.

SKIN CONTACT IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE

DERMATITIS, DEFATTING.



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SECTION 3: HAZARDS IDENTIFICATION

EYE CONTACT

IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE CONJUNCTIVITIS, TEARING OF EYES, REDNESS OF EYES.

INGESTION

INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, MOUTH AND THROAT IRRITATION, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, GASTRO-INTESTINAL DISTURBANCES, ABDOMINAL PAIN, CENTRAL NERVOUS SYSTEM DEPRESSION, DIFFICULTY OF BREATHING. CONVULSIONS, LOSS OF CONSCIOUSNESS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

EYE, SKIN, RESPIRATORY DISORDERS, RESPIRATORY DISORDERS.

SECTION 4: FIRST-AID MEASURES

INHALATION

REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING.

GET EMERGENCY MEDICAL ATTENTION.

HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL

HELP FOR ANY BREATHING DIFFICULTY.

REMOVE TO FRESH AIR IF INHALATION CAUSES EYE WATERING,

HEADACHES, DIZZINESS, OR OTHER DISCOMFORT.

SKIN CONTACT

WASH THOROUGHLY WITH SOAP AND WATER. IF ANY PRODUCT REMAINS, GENTLY RUB PETROLEUM JELLY, VEGETABLE OR MINERAL/BABY OIL ONTO SKIN. REPEATED APPLICATIONS MAY BE NEEDED. REMOVE

CONTAMINATED CLOTHING.

WASH CONTAMINATED CLOTHING BEFORE RE-USE.

DISPOSE OF CONTAMINATED LEATHER ITEMS, SUCH AS SHOES AND

BELTS.

EYE CONTACT

FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER

EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.



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UPPER EXPLOSIVE LIMIT NOT AVAILABLE

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(%)

SECTION 4: FIRST-AID MEASURES

INGESTION IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

SECTION 5: FIRE-FIGHTING MEASURES

105 F./ 41 C. LOWER EXPLOSIVE LIMIT

FIRE EXTINGUISHING MEDIA

FLASH POINT (SETA)

DRY CHEMICAL OR FOAM WATER FOG.
CARBON DIOXIDE.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE.

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK.

VAPORS CAN FORM EXPLOSIVE MIXTURES IN AIR AT ELEVATED TEMPERATURES.

MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS MATERIAL MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER USE, PLACE SOAKED RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.

FIRE FIGHTING PROCEDURES

WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS. FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.

HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS
CARBON MONOXIDE, CARBON DIOXIDE.
OXIDES OF CALCIUM.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS.

ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA. SPILLS

MAY BE COLLECTED WITH ABSORBENT MATERIALS. EVACUATE ALL UNNECESSARY PERSONNEL. PLACE COLLECTED MATERIAL IN PROPER

CONTAINER.

LARGE SPILLS - SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES. SMALL SPILLS - USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE

OF PROPERLY.

SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE

STORE BELOW 100F (38C). KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP FROM FREEZING.

OTHER PRECAUTIONS

USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING.

KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE. GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.

AVOID SPONTANEOUS COMBUSTION OF CONTAMINATED RAGS AND OTHER EASILY IGNITABLE ORGANIC ACCUMULATIONS.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMMON NAME : LIMESTONE

CAS NUMBER: 1317-65-3

ACGIH (TWA): 10 MG/M3 OSHA (TWA): 5 MG/M3

COMMON NAME : TITANIUM DIOXIDE

CAS NUMBER: 13463-67-7

ACGIH (TWA): 10 MG/M3 OSHA (TWA): 10 MG/M3

COMMON NAME : COBALT ALKANOATE

CAS NUMBER: 136-52-7

ACGIH (TWA): .02 MG/M3 OSHA (TWA): .05 MG/M3

COMMON NAME : MINERAL SPIRITS

CAS NUMBER: 8052-41-3

ACGIH (TWA): 100 PPM OSHA (TWA): 500 PPM

RESPIRATORY PROTECTION

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A NIOSH/MSHA (CANADIAN Z94.4) APPROVED ELASTOMERIC SEALING-SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAPOR CARTRIDGES AND PAINT SPRAY (DUST/MIST) PREFILTERS. DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING APPROPRIATE AIR MONITORING. CONSULT 29CFR1910.134 FOR

SELECTION OF RESPIRATORS (CANADIAN Z94.4).

VENTILATION PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT

BUILD-UP OF VAPORS.

USE EXPLOSION-PROOF EQUIPMENT.

PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.

IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

NOT AVAILABLE

1.667

VAPOR PRESSURE: NOT AVAILABLE SPECIFIC GRAVITY: BOILING RANGE (F/C): 212-374/100-190 WEIGHT PER GALLON:

13.89/ 16.68IMP

%VOLATILE BY VOLUME:

SOLUBILITY IN WATER:

38.47

APPEARANCE

WHITE

PHYSICAL STATE:

LIOUID

PH:

NOT AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

UNDER NORMAL CONDITIONS

STABLE

SEE SECTION 5 FIRE FIGHTING MEASURES

MATERIALS TO AVOID

OXIDIZERS, ACIDS, BASES.

CONDITIONS TO AVOID

ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, FREEZING, SPARKS, OPEN FLAME, IGNITION SOURCES.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : LIMESTONE

CAS NUMBER:

1317-65-3

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

LD50: 6450.00 MG/KG

ORL RAT

COMMON NAME: TITANIUM DIOXIDE

CAS NUMBER:

13463-67-7

CARCINOGENICITY LISTED BY: NTP NO

IARC NO osha no ACGIH NO

LD50: 24.00 GM/KG ORL RAT LC50: 6820.00 MG/M3/4HR IHL RAT

COMMON NAME : COBALT ALKANOATE

CAS NUMBER:

136-52-7

CARCINGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

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SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : CALCINED KAOLIN CLAY

CAS NUMBER: 66402-68-4

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : ALKYD RESIN, SOYBEAN OIL

CAS NUMBER: 68015-15-6

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME: AROMATIC HYDROCARBON RESIN

CAS NUMBER: 68410-16-2

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : SOYA OIL, CRUDE

CAS NUMBER: 8001-22-7

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME: MINERAL SPIRITS

CAS NUMBER: 8052-41-3

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

LD50:> 3.00 GM/KG SKN RBT LD50:> 5.00 GM/KG ORL RAT

SUPPLEMENTAL HEALTH INFORMATION

NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CARCINOGENICITY

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED COBALT AND CERTAIN COBALT COMPOUNDS AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B). INJECTION OF METALLIC COBALT, COBALT ALLOYS, AND CERTAIN COBALT COMPOUNDS HAS RESULTED IN THE DEVELOPMENT OF LOCALIZED TUMORS IN LABORATORY ANIMALS.

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SECTION 11: TOXICOLOGICAL INFORMATION REPRODUCTIVE EFFECTS NO REPRODUCTIVE EFFECTS ARE ANTICIPATED NO MUTAGENIC EFFECTS ARE ANTICIPATED MUTAGENICITY NO TERATOGENIC EFFECTS ARE ANTICIPATED TERATOGENICITY SECTION 12: ECOLOGICAL INFORMATION NO ECOLOGICAL TESTING HAS BEEN DONE BY ICI PAINTS ON THIS PRODUCT AS A WHOLE. SECTION 13: DISPOSAL CONSIDERATIONS WASTE DISPOSAL DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. AVOID DISCHARGE TO NATURAL WATERS. SECTION 14: TRANSPORT INFORMATION DOT PAINT, COMBUSTIBLE LIQUID, UN 1263, PGIII IMDG NOT AVAILABLE IATA NOT AVAILABLE TDG NOT AVAILABLE ______ SECTION 15: REGULATORY INFORMATION SARA SARA CERCLA HAZ AIR MARINE 302 313 302.4 POLLUTANT POLTNT

AS OF THE DATE OF THIS MSDS, ALL OF THE COMPONENTS IN THIS

YES

NO

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136-52-7

COMMON NAME : COBALT ALKANOATE

NO

YES NO

CAS NUMBER:



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SECTION 15: REGULATORY INFORMATION

PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING) ON THE TSCA INVENTORY.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

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